



Robin Engines



Your Power Source for Super Performance

AIR COOLED
2 CYCLE
CRANK ENGINE

EC SERIES



Specifications

Model	EC020H										EC030H										EC040										EC050										EC100									
Type	Single Cylinder, Horizontal, 2-Stroke																				Single Cylinder, Vertical, 2-Stroke																													
Max. 1-Stroke Output	10.0	15.0	20.0	25.0	30.0	35.0	40.0	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0	90.0	95.0	100.0	105.0	110.0	115.0	120.0	125.0	130.0	135.0	140.0	145.0	150.0	155.0	160.0	165.0	170.0	175.0	180.0	185.0	190.0	195.0	200.0	205.0										
Max. 2-Stroke Output	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	180.0	190.0	200.0	210.0	220.0	230.0	240.0	250.0	260.0	270.0	280.0	290.0	300.0	310.0	320.0	330.0	340.0	350.0	360.0	370.0	380.0	390.0	400.0	410.0										
Max. 1-Stroke Power	7.4	11.2	14.9	18.8	22.6	26.4	29.8	33.2	36.6	40.0	43.4	46.8	50.2	53.6	57.0	60.4	63.8	67.2	70.6	74.0	77.4	80.8	84.2	87.6	91.0	94.4	97.8	101.2	104.6	108.0	111.4	114.8	118.2	121.6	125.0	128.4	131.8	135.2	138.6	142.0										
Max. 2-Stroke Power	14.8	22.4	29.8	37.4	44.8	52.4	59.6	66.8	74.0	81.2	88.4	95.6	102.8	110.0	117.2	124.4	131.6	138.8	146.0	153.2	160.4	167.6	174.8	182.0	189.2	196.4	203.6	210.8	218.0	225.2	232.4	239.6	246.8	254.0	261.2	268.4	275.6	282.8	290.0	297.2										
Ignition System	CDI																																																	
Valve	Reed Valve (Horizontal Model), Flap Valve (Vertical Model)																																																	
Oil Feed System	Automatic																																																	
Lubrication System	Automatic																																																	
Starting System	Reed Valve																				Flap Valve																													
Max. Weight (kg)	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0											
Dimensions	See drawings																																																	

**AIR COOLED
4-CYCLE
GASOLINE ENGINE**

EY SERIES

EY1500



EY1500



EY2000



EY2500



EY3000



EY3500



SPECIFICATIONS

Item	EY1500	EY1500	EY1500	EY1500	EY2000	EY2000	EY2500	EY2500	EY3000	EY3500
Type	Single-Cylinder, Overhead Valve (OHV) Engine									
Max. Displacement (cc)	1500	1500	1500	1500	2000	2000	2500	2500	3000	3500
Max. Torque (kgf·m)	21.0/2000	21.0/2000	21.0/2000	21.0/2000	25.0/2000	25.0/2000	31.0/2000	31.0/2000	37.0/2000	43.0/2000
Max. Power (kW/hp)	21.0/2800	21.0/2800	21.0/2800	21.0/2800	25.0/2800	25.0/2800	31.0/2800	31.0/2800	37.0/2800	43.0/2800
Max. Fuel Consumption (L/h)	2.5/3000	2.5/3000	2.5/3000	2.5/3000	3.0/3000	3.0/3000	3.5/3000	3.5/3000	4.0/3000	4.5/3000
Oil Capacity (L)	1.5 (Standard Oil)									
Type of Fuel	Gasoline (Unleaded)									
Ignition System	CDI System									
Starting System	Manual Start									
Dimensions (mm)	44	44	44	44	44	44	44	44	44	44
Weight (kg)	10.5	10.5	10.5	10.5	12.5	12.5	15.5	15.5	18.5	21.5
Shipping Weight (kg)	12.5	12.5	12.5	12.5	14.5	14.5	17.5	17.5	20.5	23.5